Study Number:	I94043
Study Gender:	Female
PWG Approval Date:	See web page for date of PWG Approval
Version:	v1.2.7
Stat Version:	v2.5.2A

Study Number: I94043
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

M07: TDAR SRBC: Spleen AFC
Test Compound: Sodium Metavanadate
CAS Number: 13718-26-8

Date Report Requested: 07/08/2021
Time Report Requested: 14:40:56
Lab: Burleson Research Technologies

Females: SRBC

	Treatment Groups (ppm)			
	0	**31.3**	**62.5**	**125**
Spleen Weight (g)	0.0975 ± 0.0036 (6)	0.1079 ± 0.0026 (8)	0.1011 ± 0.0038 (8)	0.1091 ± 0.0049 (8)
Spleen Cells (x10^6)	92.01 ± 5.55 (7) **	98.89 ± 6.40 (8)	99.38 ± 5.21 (8)	111.90 ± 9.16 (8)
AFC/10^6 Spleen Cells	1099.7 ± 139.4 (7) **	1156.5 ± 109.7 (8)	1026.9 ± 113.6 (8)	941.7 ± 66.7 (8)
AFC/Spleen (x10^2)	999.6 ± 106.0 (7)	1109.3 ± 87.6 (8)	1014.8 ± 124.9 (8)	1031.1 ± 76.0 (8)

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	Treatment Groups (ppm)		
	250	**500**	**50 mg/kg CPS**
Spleen Weight (g)	0.1070 ± 0.0045 (8)	0.1071 ± 0.0057 (8)	0.0529 ± 0.0030 (7) **
Spleen Cells (x10^6)	130.05 ± 13.90 (8) *	121.57 ± 8.34 (8) *	42.38 ± 5.34 (7) **
AFC/10^6 Spleen Cells	803.8 ± 83.1 (8)	774.5 ± 53.8 (8) *	61.0 ± 19.4 (7) **
AFC/Spleen (x10^2)	981.0 ± 52.9 (8)	934.9 ± 86.2 (8)	23.1 ± 7.2 (7) **

LEGEND

Data are displayed as mean ± SEM (N) unless otherwise noted.

Statistical analysis performed by Jonckheere (trend) and then a pairwise test. Williams/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at P <= 0.05

** Statistically significant at P <= 0.01

TDAR - T-Dependent Antibody Response; SRBC - Sheep Red Blood Cells; AFC - Antibody-Forming Cells

CPS = Cyclophosphamide

** END OF REPORT **